INDEX TO VOLUME 74

AUTHORS

- Allen, Larry G., and Michael P. Franklin: Distribution and Abundance of Young-of-the-Year White Seabass, Atractoscion nobilis, in the Vicinity of Long Beach Harbor, California in 1984–1987, 245–248.
- Allen, Sarah G., Christine A. Ribic, and Janet E. Kjelmyr: Herd Segregation in Harbor Seals at Point Reyes, California, 55-59.
- Anderson, M. Fric: see Zorzi and Anderson, 87-105.
- Asato, Stanford L.: see Ellis, Landesman, Asato, and Zambrano, 174-176.
- Baldridge, H. David: Shark Aggression Against Man: Beginnings of an Understanding, 208-217.
- Bartley, Devin M.: see Hedgecock and Bartley, 119-127.
- Burton, Timothy S.: see Loft, Burton, Menke, and Peterson, 154-171.
- Cailliet, Gregor M., Edwin K. Osada, and Michael Moser: Ecological Studies of Sablefish in Monterey Bay, 132–153.
- Carter, Harry R.: See Hobson and Carter, 184-185.
- Carvacho, Alberto: On Some Abnormalities in the Chelae of Commercial Crabs (Genus Cancer) in Baja California, Mexico, 172–174.
- Chilcote, Mark W.: see Loch, Leider, Chilcote, Cooper, and Johnson, 106-118.
- Cooper, Randy: see Loch, Leider, Chilcote, Cooper, and Johnson, 106-118.
- Dutton, Peter: see Jones, Dutton, and Snodgrass, 236-238.
- Ebert, Earl E.: see Ebert and Ebert, 68-81.
- Ebert, Thomas B., and Earl E. Ebert: An Innovative Technique for Seeding Abalone and Preliminary Results of Laboratory and Field Trials, 68–81.
- Ellis, Lloyd B., Jeffrey G. Landesman, Stanford L. Asato, and Daniel R. Zambrano: Second record of Cubiceps paradoxus and Antennarius avalonis from California. 174–176.
- Emmett, Robert L.: see Muir, Emmett, and McConnell, 49-54.
- Franklin, Michael P.: see Allen and Franklin, 245-248.
- Haaker, Peter L.: see Henderson, Parker, and Haaker, 82-86.
- Harmon, Wallace M.: see Rupiper and Harmon, 239-240.
- Hedgecock, Dennis, and Devin M. Bartley: Allozyme Variation in the California Halibut, Paralichthys californicus, 119–127
- Henderson, Kristine C., David O. Parker, and Peter L. Haaker: The Survival and Growth of Transplanted Adult Pink Abalone, Haliotis corrugata, at Santa Catalina Island, 82–86.
- Hobson, Keith A., and Harry R. Carter: Bill Deformity in a Brandt's Cormorant Chick, 184-185.
- Hunter, D.: See Littrell and Hunter, 183.
- Johnson, Thom H.: see Loch, Leider, Chilcote, Cooper, and Johnson, 106-118.
- Jones, Anthony T., Peter Dutton, and Robert E. Snodgrass: Reoccurrence of the Pacific Seahorse, Hippocampus ingens, in San Diego Bay, 236–238.
- Kielmyr, Janet E.: see Allen, Ribic, and Kielmyr, 55-59.
- Landesman, Jeffrey G.: see Ellis, Landesman, Asato, and Zambrano, 174-176.
- Lea, Robert N.: Family Himantolophidae Added to the Ichthyofauna of the Temperate Eastern North Pacific, 180–182.
- Leider, Steven A.: see Loch, Leider, Chilcote, Cooper, and Johnson, 106-118.
- Littrell, E. E.: Waterfowl Mortality in Rice Fields Treated with the Carbamate, Carbofuran, 226-231.
- Littrell, E. E., and D. Hunter: Wild Carnivore Deaths Due to Anticoagulant Intoxication, 183.
- Loch, John J., Steven A. Leider, Mark W. Chilcote, Randy Cooper, and Thom H. Johnson: Differences in Yield, Emigration-Timing, Size, and Age Structure of Juvenile Steelhead from Two Small Western Streams, 106–118.
- Loft, Eric R., Timothy S. Burton, John W. Menke, and Gary E. Peterson: Characterization of Black-Tailed Deer Habitats in a Northern California Oak-Conifer Zone, 154–171.
- McConnell, Robert J.: see Muir, Emmett, and McConnell, 49-54.
- Menke, John W.: see Loft, Burton, Menke, and Peterson, 154-171.
- Middaugh, Douglas P. and Jonathan M. Shenker: Salinity Tolerance of Young Topsmelt, Atherinops affinis, Cultured in the Laboratory: 232–235.
- Moran-O'Connell, Victoria: see Rosenthal, Moran-O'Connell, and Murphy, 16-37.
- Moser, Michael: see Cailliet, Osada, and Moser, 132-153.

Muir, William D., Robert L. Emmett, and Robert J. McConnell: Diet of Juvenile and Subadult White Sturgeon in the Lower Columbia River and Its Estuary, 49–54.

Murphy, Margaret C.: see Rosenthal, Moran-O'Connell, and Murphy, 16-37.

Orloff, Susan: Present Distribution of Ringtails in California, 196-202.

Osada, Edwin K.: see Cailliet, Osada, and Moser, 132-153.

Parker, David O.: see Henderson, Parker, and Haaker, 82-86.

Peterson, Gary E.: see Loft, Burton, Menke, and Peterson, 154-171.

Raphael, Martin G.: see Taylor and Raphael, 4-15.

Raquel, Paul F.: Record of the Chameleon Goby, *Tridentiger trigonocephlus*, from the Sacramento-San Joaquin Delta, 60.

Reilly, Paul N.: Growth of Young-of-the-Year and Juvenile Pacific Herring from San Francisco Bay, California, 38–48.

Ribic, Christine A.: see Allen, Ribic, and Kjelmyr, 55-59.

Rienecker, Warren C.: Additional Notes on Migrational Distribution of Northern Pintail Banded in California, 61–63.

Roest, Michele L.: Recent Records of the Santa Cruz Kangaroo Rat, Dipodomys venustus venustus, in Santa Cruz County, 177–179.

Rosenthal, Richard J., Victoria Moran-O'Connell, and Margaret C. Murphy: Feeding Ecology of Ten Species of Rockfishes (Scorpaenidae) from the Gulf of Alaska, 16–37.

Rupiper, David J., and Wallace M. Harmon: Prevalence of *Trichomonas gallinae* in Central California Mourning Doves, 239–240.

Satterthwaite, Thomas D.: Influence of Maturity on Straying Rates of Summer Steelhead into the Rogue River, Oregon: 203-207.

Shenker, Jonathan M.: see Middaugh and Shenker, 232-235.

Snodgrass, Robert E.: see Jones, Dutton, and Snodgrass, 236-238.

Taylor, Cathy A., and Martin G. Raphael: Identification of Mammal Tracks from Sooted Track Stations in the Pacific Northwest, 4–15.

Titus, Robert G., and C. David Vanicek: Comparative Hooking Mortality of Lure-Caught Lahontan Cutthroat Trout at Heenan Lake, California, 218–225.

Vanicek, C. David: see Titus and Vanicek, 218-225.

Wicksten, Mary K.: New Records and Range Extensions of Shrimps and Crabs from California, U.S.A. and Baja California, Mexico, 241–244.

Zambrano, Daniel R.: see Ellis, Landesman, Asato, and Zambrano, 174-176.

Zorzi, George D., and M. Eric Anderson: Records of the Deep-Sea Skates, Raja (Amblyraja) badia Garman, 1899 and Bathyraja abyssicola (Gilbert, 1896) in the Eastern North Pacific, with a New Key to California Skates, 87–105.

SUBIECT

Abalone: A technique for seeding and results of laboratory and field trials, 68-81

Abalone, pink: The survival and growth of transplanted, at Santa Catalina Island, 82-86

Antennarius avalonis: Second record from California, 174-176

Carbamate: Waterfowl mortality in rice fields treated with Carbofuran, 226-231

Crabs: Abnormalities in the chelae of, 172-174

Crabs: New records and range extensions, 241-244

Cubiceps paradoxus: Second record of, from California, 174-176

Cormorant, Brandt's: Bill deformity in 184-185

Deaths, wild carnivore: Due to anticoagulant intoxication, 183

Deer, Black-Tailed: Characterization of, in a Northern California oak-conifer zone, 154-171

El Niño: 47, 86, 176, 237

Goby, chameleon: Record, from the Sacramento-San Joaquin Delta, 60

Halibut, California: Allozyme variation, 119-127

Herring, Pacific: Growth of young-of-the-year and juvenile, from San Francisco Bay, 38-48

Himantolophidae: Added to the ichthyofauna of the temperate eastern North Pacific, 180-182

Mammal tracks: Identification of, from sooted track stations in the Pacific Northwest, 4-15

Pintail, Northern: Additional notes on the migrational distribution, 61-63

Rat, Santa Cruz kangaroo: Recent records of, 177-179

Ringtails: Present distribution, in California, 196-202

Rockfishes: Feeding ecology of ten species of, from the Gulf of Alaska, 16-37

Sablefish: Ecological studies of, in Monterey Bay, 132-153

Seabass, white: Distribution and abundance of young-of-the-year, in the vicinity of Long Beach Harbor, 245-248

Seahorse, Pacific: Reoccurrence in San Diego Bay, 236-238

Seals, harbor: Herd segregation in, at Point Reves, 55-59

Shark: Aggression against man, 208-217

Shrimps: New records and range extensions, 241-244

Skates, deep-sea: Records in the eastern North Pacific, with a new key to California skates, 87-105

Steelhead: Differences in yield, emigration-timing, size, and age structure of juvenile, 106-118

Steelhead, summer: Influence of maturity on straying rates of, into the Rogue River, 203-207

Sturgeon, white: Diet of juvenile and subadult, in the lower Columbia River, 49-54

Topsmelt: Salinity tolerance of young, cultured in the laboratory, 232-235

Trichomonas gallinae: Prevalence in central California Mourning Doves, 239-240

Trout, Lahontan cutthroat: Comparative hooking mortality of lure-caught, at Heenan Lake, 218-225

SCIENTIFIC NAMES

Abies concolor: 154, 159

Acantholithodes hispidus: 26-28

Acer macrophyllum: 154

Acipenser transmontanus: 49-54

Aequorea aequorea: 24

Albatrossia pectoralis: 136

Allocentrotus fragilis: 136

Allosmerus spp.: 21

Amblyraja: 87-105

Ammodytes hexapterus: 19-30

Amphipoda: 143, 144

Anas acuta: 61-63, 227

Anas americana: 227

Anas clypeata: 227

Anas crecca: 227

Anas cyanoptera: 227

Anas discors: 227

Anas platyrhynchos: 226

Anas strepera: 227

Anisakis: 145

Anoplopoma fimbria: 19-22, 24, 132-153

Antennariidae: 175

Antennarius avalonis: 174-176

Anthomastus ritteri: 136

Antimora microlepis: 136,

Apristurus brunneus: 136

Arbutus menziesii: 154

Arctostaphyllos sp.: 177

Artedius spp.: 27

Artemia: 233

Astacus fluviatilis: 172

Asteronyx loveni: 136

Atherinops affinis: 175, 232-235

Atherinopsis californiensis: 235

Atractoscion nobilis: 119, 245-248 Bassariscus astutus: 6, 10, 13, 196-202

Bassariscus astutus nevadenis: 198

Bassariscus astutus octavus: 197, 198

Bassariscus astutus raptor: 197

Bassariscus astutus willetti: 200

Bassariscus astutus vumanensis: 200

Bathylagus spp.: 144

Bathyraja: 102, 103

Bathyraja abyssicola: 87-105

Bathyraja interrupta: 104

Bathyraja spinosissima: 104

Bathyraja trachura: 104

Botryoglossum farlowianum: 73

Brachyura: 19-30

Brisaster townsendi: 136

Buteo jamaicensis: 227

Callianassa goniophthalma: 143

Callistoma annulatum: 25

Callistoma ligatum: 27

Cancer: 172-174

Cancer antennarius: 136, 172-173

Cancer anthonvi: 172-173

Cancer branneri: 29

Cancer magister: 136, 172

Cancer oregonensis: 25-30

Cancer pagurus: 172

Cancer productus: 136

Cancer spp.: 73

Canis latrans: 6, 8, 11

Caprella spp.: 144

Caprellidae: 25

Carcharhinus leucas: 210

Carcharhinus menisorrah: 214

Carcharodon carcharias: 210

Caridea: 19-30

Carididae: 30

Ceanothus integerrimus: 159

Ceanothus sp.: 177

Cephalopoda: 142-144

Chen caerulescens: 227

Chionoecetes tanneri: 136, 144

Circus cvaneus: 227

Citharichthys sordidus: 136, 144

Cladocera: 25 Clione: 21, 22

Clupea harengus pallasi: 19-30, 38-48, 1331

Clythrocerus decorus: 242

Clythrocerus planus: 242

Cololabis saira: 141, 142

Columba livia: 240

Copepoda: 144

Comus nuttallii: 157, 159

Corophium salmonis: 51-53

Corynolophus sagamius: 180

Corvlus comuta californica: 157

Coryphaenoides acrolepis: 136

Cottus aleuticus: 107

Cottus rhotheus: 107

Cottus spp.: 109

Crangon franciscorum: 51-53 Cubiceps gracilis: 174

Cubiceps paradoxus: 174-176

Cyclopteridae: 27

Decapoda: 143, 144

Dendrocyana bicolor: 230 Didelphis vinginiana: 5, 9, 13

Dipodomys venustus sanctiluciae: 177

Dipodomys venustus venustus: 177-179

Echinorhinus cookei: 136

Engraulis mordax: 21, 51-53, 133, 142, 144

Entosphenus tridentatus: 107, 143

Eopsetta iordani: 136

Eptatretus deani: 136

Eptatretus stouti: 136, 144

Erethizon dorsatum: 6, 9, 13 Fualus lineatus: 242

Eualus subtilis: 242

Euphausiacea: 143, 144

Felis concolor: 7, 8, 11, 183

Felis rufus: 7, 8, 11

Fulica americana: 227

Gadidae: 22, 23, 27

Galeocerdo cuvieri: 212

Gammeridae: 19-30

Gigartina spp.: 73

Glaucomys sabrinus: 6, 9, 12

Gnathophausia ingens: 144

Gonatus spp.: 143, 144

Haliotis corrugata: 78, 82-86

Haliotis discus hannai: 79

Haliotis fulgens: 82

Haliotis kamtschatkana: 26

Haliotis rufescens: 68-81

Heptacarpus fuscimaculatus: 243

Heptacarpus pictus: 243

Heptacarpus pugettensis: 242

Heptacarpus stimpsoni: 243

Heptacarpus taylori: 242

Hexagrammidae: 19-30

Hexagrammos decagrammus: 21

Hexagrammos spp.: 19

Himantolophidae: 180-182

Himantolophus appelii: 180

Himantolophus azurlucens: 180

Himantolophus borealis: 180

Himantolophus groenlandicus: 180-181

Himantolophus sp.: 180-182

Hippocampus ingens: 236-238

Hippoglossus stenolepis: 122

Holothuroidea: 136, 144

Hvas Ivratus: 26

Hyperiidae: 23, 24

Isopoda: 143, 144

Kellettia kelletti: 79

Laminaria spo.: 73

Lampetra richardsoni: 109

Lampetra tridentata: 107, 143

Lebbeus lagunae: 243

Libocedrus decurrens: 154

Limacina sp.: 19, 22, 23

Limancinidae: 21, 24

Limanda aspera: 122

Linnaea borealis: 160

Lithocarpus densiflorus: 154 Loligo opalescens: 133, 142

Loxorhynchus crispatus: 73

Loxorhynchus spp.: 144

Lycodapus spp.: 144 Macrocystis pyrifera: 83

Macrocystis spp.: 71, 73

Margarites sp.: 25

Martes americana: 7, 10, 14

Martes pennanti: 7, 10, 14

Menidia beryllina: 236

Mephitis mephitis: 7, 10, 14

Merluccius productus: 136, 144

Microstomus pacificus: 136, 144, 180

Mustela erminea: 7, 10, 14

Mustela frenata: 7, 10, 14

Mustela vison: 7, 10, 14

Mysidacea: 21, 25

Mysidae: 21, 22, 24, 25, 28, 29

Negaprion brevirostris: 216

Neomysis mercedes: 51-53

Neotoma fuscipes: 6, 9, 12

Nomeidae: 174

Octopus spp.: 24, 73, 142, 143

Odocoileus hemionus: 154-171

Oncorhynchus keta: 109

Oncorhynchus kisutch: 107

Oncorhynchus nerka: 206

Oncorhynchus spp.: 19, 49, 203

Ophiodon elongatus: 27, 136

Ophiopholis aculeata: 25-30

Ophiuroidae: 26

Orchomene spp.: 143, 144

Oregonia gracilis: 30

Orthasterus koehleri: 73

Paguridae: 26, 30

Paguristes spp.: 73

Pagurus spp.: 26, 28, 30

Pagurus tanneri: 243

Pandalus danae: 29, 30

Pandalus montagui: 30

Pandalus spp.: 27-29

Pandalus tridens: 27

Paralichthys californicus: 119-127, 248

Paraliparis sp.: 136

Paralithodes spp.: 144 Parophrys vetulus: 144

Pelecypoda: 143, 144

Phalacrocorax carbo: 185

Phalacrocorax penicillatus: 184-185

Phoca vitulina: 55-59

Phocanema: 145

Pinus lambertiana: 154

Pinus ponderosa: 154, 157

Pinus sp.: 159

Pisaster spp.: 73

Placetron wosnessenski: 27

Pleurobranchaea californica: 136

Pleuronectiformes: 144

Polychaeta: 143, 144 Porichthys notatus: 144

Procyon lotor: 7, 10, 13, 183

Prosopium williamsoni: 107

Pseudotsuga menziesii: 154, 157, 159

Pteridium aquilinum: 159

Pterygophora californica: 73

Pugettia gracilis: 25, 26, 28, 30

Pugettia sp.: 26, 27

Pycnopodia helianthoides: 73

Quercus chrysolepis: 154

Quercus garryana: 154, 159

Ouercus kelloggii: 154, 157, 159

Ouercus wislizenii: 154 Raja: 102, 103

Raja badia: 87-105

Raja binoculata: 104 Raja hyperborea: 93

Raja inornata: 104

Raia rhina: 104

Raia stellulata: 104

Rathbunaster californicus: 136

Rhodymenia spp.: 73

Saduria entomon: 51-53

Salmo clarki: 107, 206

Salmo clarki henshawi: 218-225

Salmo gairdneri: 106-118, 203-207, 223

Salpidae: 23-25, 136, 144

Sciurus griseus: 6, 9, 12

Scorpaenichthys marmoratus: 73

Scyra acutifrons: 26, 28, 30

Sebastes: 16-37

Sebastes caurinus: 16-37

Sebastes ciliatus: 16-37

Sebastes emphaeus: 16-37

Sebastes entomelas: 16-37

Sebastes flavidus: 16-37

Sebastes helvomaculatus: 27 Sebastes maliger: 16-37

Sebastes melanops: 16-37

Sebastes melanostomus: 136

Sebastes nebulosis: 16-37 Sebastes nigrocinctus: 16-37

Sebastes paucispinus: 136

Sebastes pinniger: 136

Sebastes proriger: 37

Sebastes rosenblatti: 136

Sebastes ruberrimus: 16-37

Sebastes spp.: 30, 136, 143, 144

Sebastolobus spp.: 136 Solenocera mutator: 241

Somniosus pacificus: 136

Spermophilus beechevi: 6, 9, 12

Spermophilus lateralis: 6, 9, 12

Sphaeromatidae: 28

Sphyma sp.: 208

Spilogale gracilis: 7, 10, 14

Squalus acanthus: 136, 144

Strongylocentrotus droenbachiensis: 27

Stylatula elongata: 136

Symphoricarpos mollis: 159

Tamias spp.: 5, 8, 12

Tamiasciurus douglasii: 6, 9, 12

Tarletonbeania crenularis: 150

Thaleichthys pacificus: 51-53

Theragra chalcogramma: 24

Thysanoessa raschii: 28

Toxicodendron diversiloba: 157

Trichomonas gallinae: 239-240

Tridentiger trigonocephalus: 60-61

Trientalis latifolia: 160

Urocyon cinereoargenteus: 6, 8, 11

Ursus americanus: 6, 10, 13

Vampyrotheuthis infernalis: 144 Zenaida macroura: 239–240 Zoarcidae: 144

